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Superfund Records Center

SITE: Iron Horse OU4

BREAK:

CHTR: 639719

## Meeting Minutes

Client:	USEPA
Project Name:	Iron Horse Park OU4
AECOM Environment Project Number:	60019383.03
Date:	September 16, 2009
Location:	AECOM – Wakefield, MA
Meeting Purpose:	Selection of Asbestos Activity-Based Sampling Locations
Prepared By:	Sean Czarniecki

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Action Item Number	Action Item	Responsibility
0001	Evaluate sampling sensitivity	MM
0002	Prepare SAP	CI
0003	Summarize selected sampling locations/reasoning in meeting minutes	SC
0004	Contact Pan Am Railways to ask about site worker activities	DM

### Summary

The team members discussed each area of the Iron Horse Park site in relation to previous soil sampling results and current and future uses in order to select potential asbestos activity-based sampling (ABS) locations.

Workers at the site primarily walk or drive around the facilities, or else drive forklifts. There are also a few grassy patches which get mowed and one picnic/lunch area. DM will contact Pan Am Railways to determine if there are any other activities that the team has not considered. Trespassers are typically using ATVs/motorbikes, walking, or just loitering in wooded areas.

#### Potential activities for ABS:

- worker exposures could be simulated by walking/shuffling or driving an ATV slowly to simulate a forklift;
- trespasser exposures could be simulated by walking/shuffling (lower level activity) or driving an ATV rapidly (higher level activity); and
- future exposures assuming development of wooded areas could be simulated by raking, which is understood to generate the most dust during ABS.

One area where soil samples were not collected, which now appears to be a data gap based on other site detections, is the wooded triangle area behind the historic Zonolite building. Review of a property map showed that it is owned by Cooperative Reserve. Three soil samples will be collected there.

Another area where there seemed to be a shortage of data collected from soil sampling was the wooded area south



of the Former Wastewater Lagoon. It was determined that performing ABS for current and future uses in this area is the best approach to filling the data gap. SC and DM also discussed the potential presence of an access trail to this wooded area from Pond Street. Before ABS is conducted in this area west of Pond Street, the sampling team will look for signs of trail activity in order to determine the current use of this land.

Some locations were considered for potential ABS, but were determined to be lower priority based on soil sampling results and site use. The following locations were tabled to wait for other results to come back:

- Residential soil sampling locations all showed no asbestos detections; potential locations could include a house on Whitegate Rd., where the owner is receptive to the sampling, or at the baseball field;
- The small pox memorial area of the site (northern portion of the site beyond Middlesex Canal);
- The wooded triangle area behind the Zonolite building (wait for the soil sample results); and
- Cap of the Asbestos Landfill (only if other areas near the landfill show a problem with ABS results).

DM discussed his concern with the historic Zonolite building, because expansion plants can often be "hot" with asbestos. This one is old and was probably not cleaned up. Further discussion on this topic was tabled.

Some areas discussed as not requiring ABS at this time based on other results and site activities:

- Near soil sampling locations 79 and 82 (Locomotive Shop Disposal Area B)
- Near soil samples 20, 21, 25, 26, and 28 (northeast area of the site)

A summary of the areas discussed and proposed sampling locations is presented in the attached table and corresponding figure.

Discussion of sample sensitivity with respect to dust overload occurred along with the role of an onsite microscopist. MM will provide information on the sample sensitivity needed to properly evaluate risk.

Preliminary plans involve ABS during the week of October 26. CI will prepare a SAP, look into ATV rental, and determine any special access needs. As the work will be done in Level C, informing the public will be appropriate. JM will coordinate with MA DOH.

**Proposed Asbestos Activity-Based Sampling Locations - Iron Horse Park Superfund Site**

Map Key	ABS Sampling Location	Thoughts	Current Users/Uses	Potential Sampling Activity
1	Eastern Terminals -northeast	Applies to northeast half of lumber yard	Workers/Forklift & walking	Slow ATV to simulate forklift, or walking/shuffling
2	Eastern Terminals -southwest	Applies to southwest half of lumber yard	Workers/Forklift & walking	Slow ATV to simulate forklift, or walking/shuffling
3	On BNZ - Picnic Area	Picnic Area - applies to around the rest of the bldg	Workers/Eating (mowing?)	Mowing? Walking/shuffling?
4	Undeveloped northwest of BNZ	Woods - Dirt Bike/ATV	Trespassers/ATVs & dirt bikes	ATV
5		Sparse/Trees - Hang out	Trespassers/Hang out	Shuffling
6	Northeast of Asbestos Lagoons	Location 1 - Trail	Trespassers/ATVs & dirt bikes	ATV
7		Location 2 - Non-trail	Trespassers/Hang out	Walking/shuffling?
8	Isolated area next to Pond St.	Hang out/grass/potential ATV	Trespassers/Hang out, grass dump, potential ATV	Walking/shuffling? ATV?
9	Woods Near sample 70	Current sample (walking?)	Trespassers/Not much use - could be hang out	Walking
10		Future sample (raking?)	Residents/If developed in the future, higher use	Raking?
11	Next to Zonolite (SE side)	Walking/shuffling	Workers/Not used	Walking/shuffling
12	Zonolite/Spincraft equip storage	Forklift/walking	Workers/Forklift & walking	Slow ATV to simulate forklift, or walking/shuffling
13	Railyard-northeast (near 29 - detect)	Walking/shuffling	Workers & Trespassers/Walking	Walking/shuffling
14	Railyard-middle (near 91/92)	Walking/shuffling	Workers/Forklift & walking	Slow ATV to simulate forklift, or walking/shuffling
15	Northeast of RSI Landfill	Walking/shuffling/forklift/trespasser; potentially 2 samples	Workers & Trespassers/Forklift & walking	Slow ATV to simulate forklift, or walking/shuffling
16	Railyard-southwest end (near 80/81)	Walking/shuffling	Workers & Trespassers/Walking	Walking/shuffling
17	Wastewater Lagoons (near 48)	Trail	Trespassers/ATVs & dirt bikes	ATV
18	In Wastewater Lagoons	In lagoons	Trespassers/ATVs & dirt bikes	ATV
19	Woods near WW lagoons (near 51/54)	Trail - could apply to 71/66/69	Trespassers/ATVs & dirt bikes	ATV
20	Woods near Pond St. (near 59-63)	Recon for trail/location - perhaps walking scenario	Trespassers/Walking	Walking/shuffling

Other potential locations

Small Pox mem. Area

Residential/baseball field

Triangle behind Zonolite?

Cap of Asbestos LF?

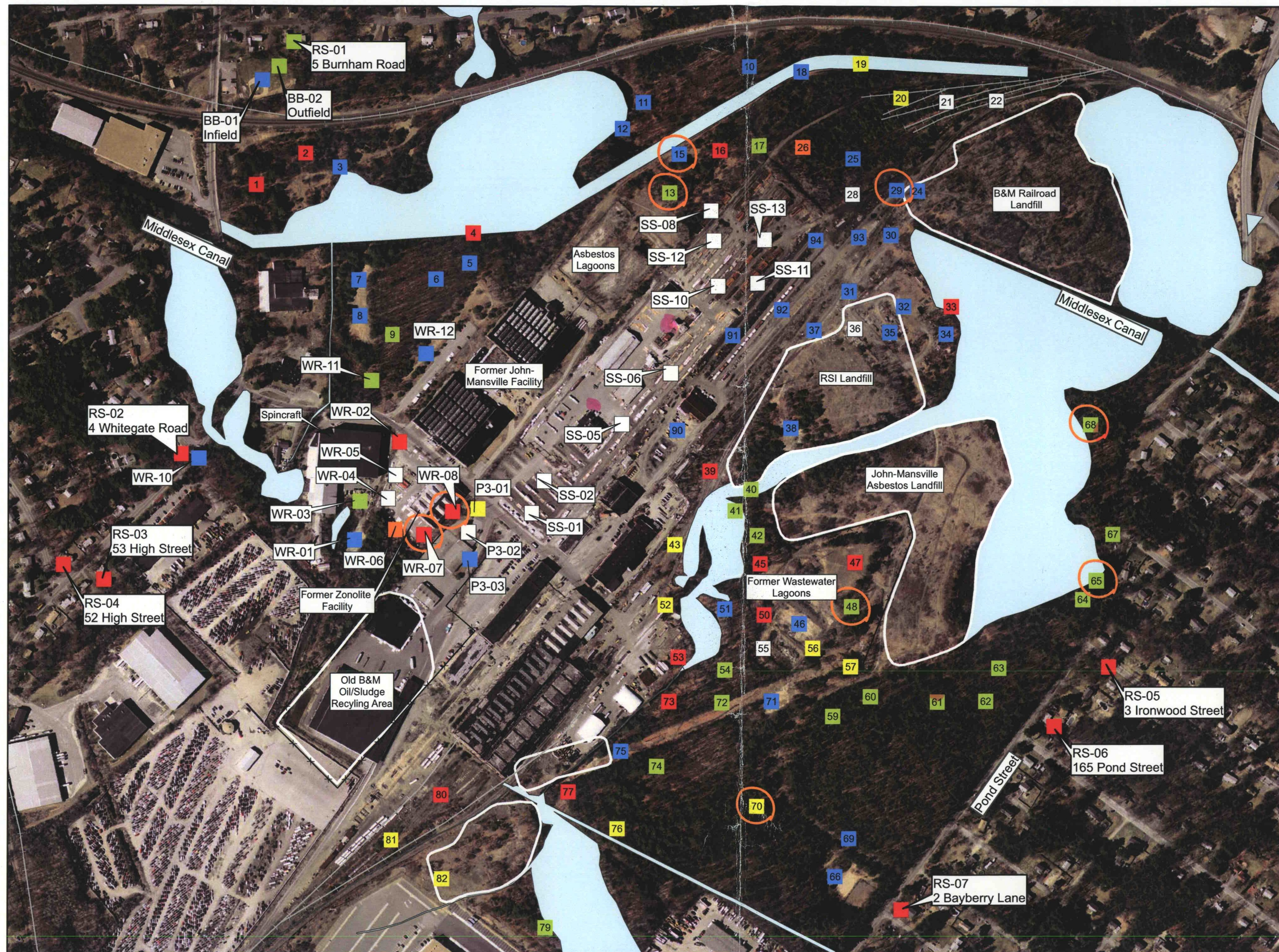
Wait

Wait

Wait for soil samples to come back

ATV or mowing, but really only need to look at it if there is a problem in other areas





**Sample Location and Soil Type Map:**  
**Iron Horse Park**  
**and Zonolite/WR Grace Sites**

North Billerica, Massachusetts

EPA Region I  
 Superfund Technical Assessment and  
 Response Team (START) III  
 Contract No. EP-W-05-042

TDD Number: 09-06-0001 and 08-11-0008

Created by: C. Imbres

Created on: 15 June 2009

Modified by: C. Imbres

Modified on: 10 September 2009

**LEGEND**

××× Fence

— Railroad

**Soil Samples**

• <all other values>

**Soil\_Class**

■ MH

■ ML

■ OL

■ SM

■ SP

■ SW

■ Wetlands

■ Asbestos Detected

**Data Sources:**

Imagery: Massachusetts GIS  
 Wetlands & Disposal Areas: AECOM  
 All other data: START

0 125 250 375 500  
 Feet



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